



RADIO TEST REPORT (FCC Part 15 Subpart C)

Applicant:	HMD Global Oy			
Address:	Bertel Jungin aukio 9 Espoo 02600 Finland			
Manufacturer:	HMD Global Oy			

Address:	Bertel Jungin aukio 9 Espoo 02600 Finland			
Product:	Mobile Phone			
Brand Name:	HMD			
Model Name:	TA-1606			
FCC ID:	2AJOTTA-1606			
Date of tests:	May. 14, 2024 ~ Jun. 13, 2024			

The tests have been carried out according to the requirements of the following standard:

- □ Part 15 Subpart C §15. 225
- □ RSS-Gen Issue 5, Amendment 2 (February 2021)
- **ANSI C63.10-2020**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

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Engineer / Mobile Department	Manager / Mobile Department	
Lu Hannen	Simple: bo	
Date: Jun. 13, 2024	Date: Jun. 13, 2024	

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REPORT REVISE RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2405090215RF08	Original release	Jun. 13, 2024



SUMMARY OF TEST RESULT

FCC Rule	IC Rule	Description	Limit	Result	Remark
-	RSS-Gen 6.7	99% Bandwidth	-	Pass	-
15.225(a)(b)(c)	RSS-210 Annex B.6	Field Strength of Fundamental Emissions	15.225(a)(b)(c) RSS-210 Annex B.6	Pass	-
15.215	-	20dB Spectrum Bandwidth	15.215	Pass	-
15.225(d) 15.209	RSS-210 Annex B.6	Radiated Emission	15.225(d) & 15.209 RSS-210 Annex B.6	Pass	
15.207	RSS-GEN 8.8	AC Conducted Emission	15.207(a)	Note	
15.225(e)	Annex B.6	Frequency Stability	< ±100 ppm	Pass	-
15.203	RSS-Gen 6.8	Antenna Requirement	N/A	Pass	-

*Test Lab Information Reference

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zhuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

The FCC Site Registration No. is 434559; The Designation No. is CN1325.



1 GENERAL DESCRIPTION

3.2 GENERAL DESCRIPTION OF EUT

Items	Description
Tx/Rx Frequency Range	13.553MHz ~ 13.567MHz
Channel Number	1
20dBW	2.475 kHz
99%OBW	2.431 kHz
Antenna Type	PIFA Antenna
Type of Modulation	ASK

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

NOTE: Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

For the product of TA-1606 (FCC ID: 2AJOTTA-1606), the following components are different between the first and second supply, other parameters are the same.

		K	ey Componei	nt List		
				First supply		Second supply
No.	Component	Description	SUPPLIER	Spec	SUPPLIER	Spec
1	NMOS		PRISEMI	PNM3FD20V2	JSCJ	CJBA3134K
2	E-compass]	MEMSIC	MMC5603NJ	QST	QMC6308-TR
3	Memory-256GB		FORESEE	FEUDNN256G-C2G07	BIWIN	BWU2ASV46A256G
4	Memory-64GB		FORESEE	FLXC4008G-30	BIWIN	BWMZCX32H2A-64G-X
5	nano-SIM]	LCN	CAF99-06033-0305	HRD	S186-1B01F13F
6	T-card		LCN	CAF11-08136-031901	HRD	S186-1B02F13F
7	iron covering		LCN	CAF00-21134-032307	HRD	S186-2B21F13F-1
8	Type C connector		LETCON	15-16815-110	LCN	UAF05-16323-3007
9	headphone socket	PCBA	LETCON	11-058126A	HRD	PH157-0B12F36M
10	G sensor		slan	2*2 12bit	sensortek	2*2 12bit
11	Proximity light sensor		Liteon	LTR-569ALS-02	sensortek	STK3335-X
12	Backlight driver		AWINIC	dfn2*2-6L	broadchip	dfn2*2-6L
13	Flash driver		AWINIC	2A DCDC	ocs	2A DCDC
14	CKDID baschip		AWINIC	±5V	ocs	±5V
15	overvoltage protection chip		broadchip	6.8V FCQFN12	AWINIC	6.8V FCQFN12
16	CKD BDS/GPS/GAL LNA		SILICONWAVE	LNA 1.5*1.0 6pin	AWINIC	LNA 1.5*1.0 6pin
17	MIC		GETTOP	2.75*1.85*0.9mm	YUTAI	2.75*1.85*0.9mm
18	LCM	LCD	HUAXIAN	incell5.56HD+	DZX	incell5.56HD+
19	Macro cam	camera	схт	2M CSP	lianhe	2M CSP
20	Finger print	module	SYX	side fingerprint	SHENAO	side fingerprint
21	Bat	GAOYUAN	Rated: 4900mAh Typical: 5000mAh	FENGHUA	Rated: 4900mAh Typical: 5000mAh	
22	Rec	SENNOR	'0809	TUNESS	'0809	
23	Vib	JX	0830 3.35mm	JD	0830 3.35mm	
24	Charg	ger US	BJD	5V 2A	JUWEI	5V 2A
25	Data	cable	JUWEI	A-C	FKY	A-C
23	Data	Cable	JUWEI	C-C	FKY	C-C



List of Accessory:

ACCESSORIES	BRAND	MANUFACTURE R	MODEL	SPECIFICATION
				Power Rating: 3.87
Battery 1	HMD	Gaoyuan	HBA5020AA	Vdc;18.963 Wh;4900
				mAh
				Power Rating: 3.87
Battery 2	HMD	Fenghua	HBA5020AA	Vdc;18.963 Wh;4900
				mAh
		Shenzhen		I/P: 100-240
		Baijunda	HVD 030H/HS B	V,50~60Hz,0.6A
AC Adapter 1	HMD	Electronics	HAD-020U(US-P D 20W)	O/P: USB-C Output:5.0V
		Co.,Ltd		3.0A or 9.0V 2.22A or
		Co.,Liu		12.0V 1.67A 20.0W Max
	HMD	Shenzhen	HAD-010U(US)	I/P: 100-240
AC Adoptor 2		Baijunda		
AC Adapter 2		Electronics		V,50~60Hz,0.35A
		Co.,Ltd		O/P: 5V 2A,10W
		Huizhou Juwei		I/P: 100-240
AC Adapter 3	HMD	Electronics Co.,	HAD-010U(US)	V,50~60Hz,0.35A
		Ltd.		O/P: 5V 2A,10W
Earphone	HMD	N/A	JWEP1266-H24H	N/A
USB Cable 1	HMD	JUWEI	JWUB1684-M01H	A to C
USB Cable 2	HMD	JUWEI	JWUB1688-M01H	C to C
USB Cable 3	HMD	FUKANGYUAN	FKY-23-368	A to C
USB Cable 4	HMD	FUKANGYUAN	FKY-23-369	C to C



3.3 MODIFICATION OF EUT

No modifications are made to the EUT during all test items.

3.4 APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.225
- ANSI C63.10-2020
- RSS-210 Issue 10
- RSS-Gen Issue 5



2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

3.5 DESCRIPTIONS OF TEST MODE

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

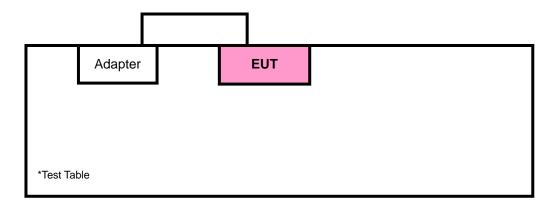
	Test Items					
Α	C Power Line Conducted Emissions	Field Strength of Fundamental Emissions				
20	0dB Spectrum Bandwidth	Frequency Stability				
R	adiated Emissions 9kHz~30MHz	Radiated Emissions 30MHz~1GHz				
No	Note:					
1.	. The EUT was programmed to be in continuously transmitting mode.					
2.	. The ancillary equipment, NFC card, is used to make the EUT (NFC) continuously transmit at					
	13.56MHz and is placed around 3 cm gap to the EUT.					
3.	3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations					
	between available modulations, work in modes and data rates. Selected for the final test as listed					
	below.					

Frequency	Work in Modes	Туре	Data Rate (Kbps)				
13.56 MHz	Card Emulation Reader/Writer Peer-to-Peer	□ A □ B ▼ F □ V	□ 106 ☑ 212 □ 424 □ 848				
Remark: The mark [®] means is chosen for testing; The mark [®] means is not chosen for testing.							

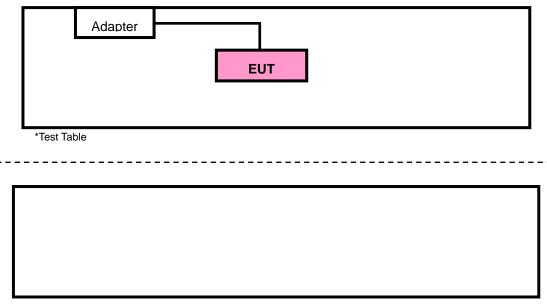


3.6 TEST CONFIGURATIONS

<AC Conducted Emissions>



< For Fundamental Emissions and Mask and Radiated Emissions Measurement >



^{*} Kept in a remote area



3.7 SUPPORT EQUIPMENT

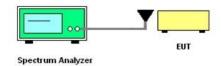
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	N/A	N/A	N/A	N/A	N/A

3.8 TEST SETUP

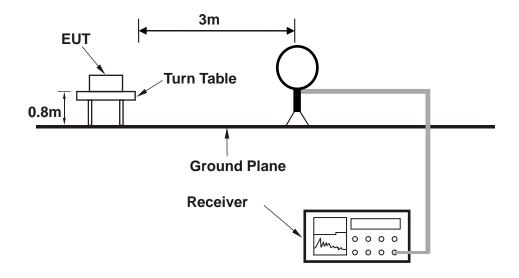
The EUT is continuously communicating during the tests.

EUT was set in the Hidden menu mode to enable NFC communications.

Setup diagram for Conducted Test

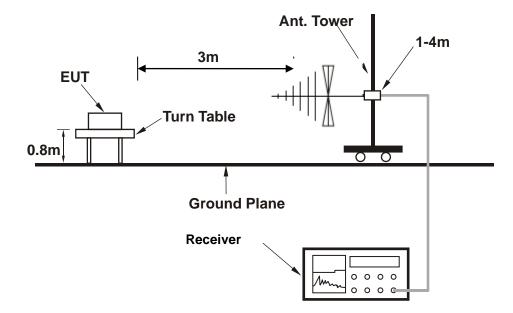


Setup diagram for Radiation(9KHz~30MHz) Test





Setup diagram for Radiation(Below 1G) Test





3.9 MEASUREMENT RESULTS EXPLANATION EXAMPLE

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
=
$$5 + 10 = 15$$
 (dB)



3 TEST RESULT

3.1 20DB AND 99% BANDWIDTH MEASUREMENT

3.1.1 LIMIT OF 20DB AND 99% BANDWIDTH

Intentional radiators must be designed to ensure that the 20dB and 99% emission bandwidth in the specific band 13.553~13.567MHz.

3.1.2 TEST PROCEDURES

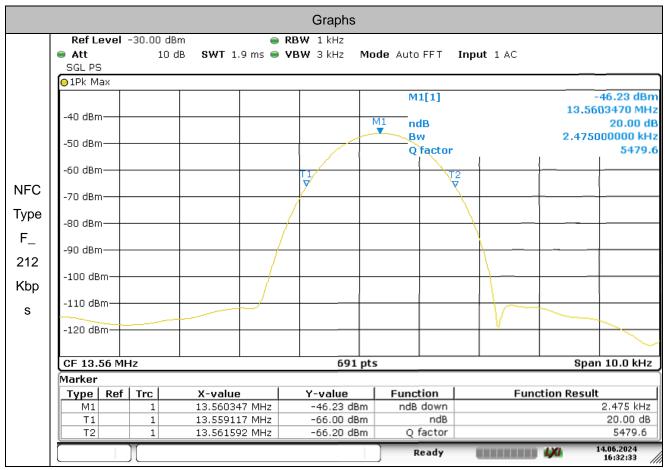
- The spectrum analyzer connected via a receive antenna placed near the EUT in peak Max hold mode.
- The resolution bandwidth of 1 kHz and the video bandwidth of 3 kHz were used. (Since the signal being measured is CW or CW-like, it is impractical to adjust RBW according to C63.10 because the bandwidth measured will always follow RBW and the result will be approximately twice as large as RBW.)
- 3. Measured the spectrum width with power higher than 20dB below carrier.
- 4. Measured the 99% OBW.



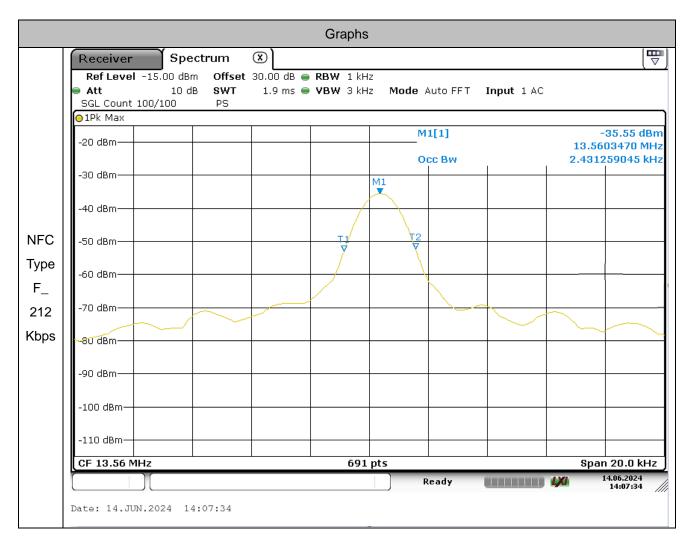
3.1.3 TEST RESULT OF 20DB AND 99% BANDWIDTH

Test Mode :	NFC	NFC			23 ℃	
Test Engineer :	Hanwen Xu		Relative Humi	dity:	50%	
Mode	Frequency	20dB Ban	andwidth [kHz] 99		% OBW[kHz]	Verdict
NFC Type F_212 Kbps	13.56MHz	2	.475		2.431	PASS

20dB Bandwidth & 99% Bandwidth Plot









3.2 FREQUENCY STABILITY MEASUREMENT

3.9.1 LIMIT OF FREQUENCY STABILITY

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

3.9.2 TEST PROCEDURES

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT.
- 2. EUT have transmitted signal and fixed channelize.
- 3. Set the spectrum analyzer span to view the entire emissions bandwidth.
- 4. Set RBW = 1 kHz, VBW = 3 kHz with peak detector and maxhold settings.
- 5. The fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ± 100 ppm.
- 6. Extreme temperature rule is -20°C~50°C.

3.9.3 TEST RESULT OF FREQUENCY STABILITY

The NFC Type F_212 Kbps is the worst case, Only report worst mode data



NFC Type F_212 Kbps

Voltage (Vdc)	Temperature (°C)	Measurement Frequency (MHz)	Frequency Tolerance(ppm)	Limit(ppm)	Result
3.6	20	13.55996	-0.71		Pass
4.45	20	13.56024	20.52		Pass
	-20	13.56012	10.31		Pass
	-10	13.56030	22.64		Pass
	0	13.55978	-17.58	±100	Pass
3.87	10	13.55984	-13.33	±100	Pass
3.07	20	13.56002	0.47		Pass
	30	13.55992	-7.50		Pass
	40	13.55975	-16.31		Pass
	50	13.5603	7.43		Pass



3.10FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND MASK MEASUREMENT

3.10.1 LIMIT OF FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND MASK

Rules and specifications	FCC CFR 47 Part 15 section 15.225 IC RSS-210 B.6						
Description	Compliance with th	e spectrum mask is t	ested with RBW set t	o 9kHz.			
From of Emission (MIII-)	Field Strength	Field Strength	Field Strength	Field Strength			
Freq. of Emission (MHz)	(µV/m) at 30m	(dBµV/m) at 30m	(dBµV/m) at 10m	(dBµV/m) at 3m			
1.705~13.110	30	29.5	48.58	69.5			
13.110~13.410	106	40.5	59.58	80.5			
13.410~13.553	334	50.5	69.58	90.5			
13.553~13.567	15848	84.0	103.08	124.0			
13.567~13.710	334	50.5	69.58	90.5			
13.710~14.010	106	40.5	59.58	80.5			
14.010~30.000	30	29.5	48.58	69.5			

3.10.2 TEST PROCEDURES

- Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the receiving antenna was fixed at one meter above ground to find the maximum emissions field strength.
- 4. For Fundamental emissions, use the receiver to measure QP reading.
- 5. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- Compliance with the spectrum mask is tested with RBW set to 9kHz.

Note: Emission level (dB μ V/m) = 20 log Emission level (μ V/m).

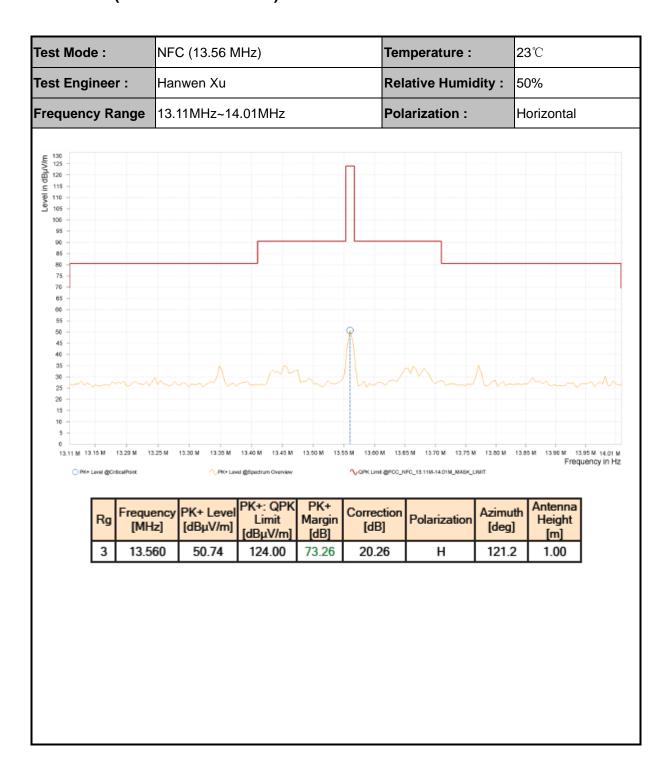
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3.10.3 TEST RESULTS OF FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND MASK (1.705 MHZ ~ 30 MHZ)





3.11RADIATED EMISSIONS MEASUREMENT

3.11.1 LIMIT

The field strength of any emissions which appear outside of 13.110 ~14.010MHz band shall not exceed the general radiated emissions limits.

Frequencies	Field Strength	Measurement Distance
(MHz)	(μV/m)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

3.11.2 MEASURING INSTRUMENT SETTING

The following table is the setting of receiver.

Receiver Parameter	Setting
Attenuation	Auto
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

3.11.3 TEST PROCEDURES

- Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters
 above ground to find the maximum emissions field strength of both horizontal and vertical
 polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the

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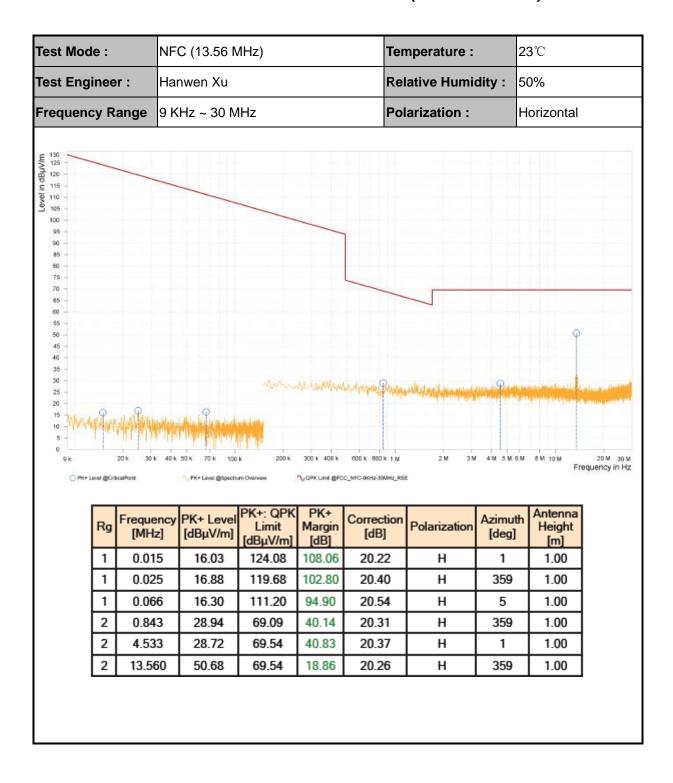
Tel: +86 (0557) 368 1008



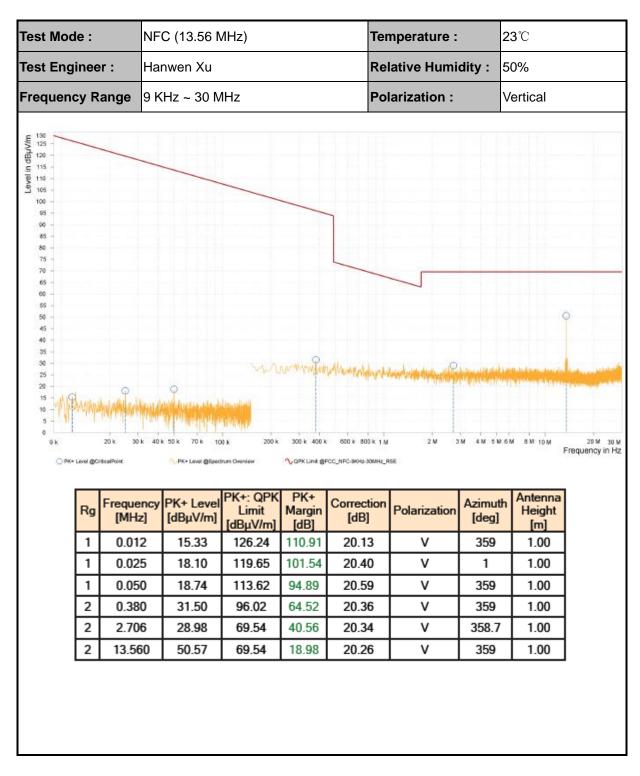
turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.

- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver.

3.11.4 TEST RESULTS OF RADIATED EMISSIONS (9 KHZ ~ 30 MHZ)

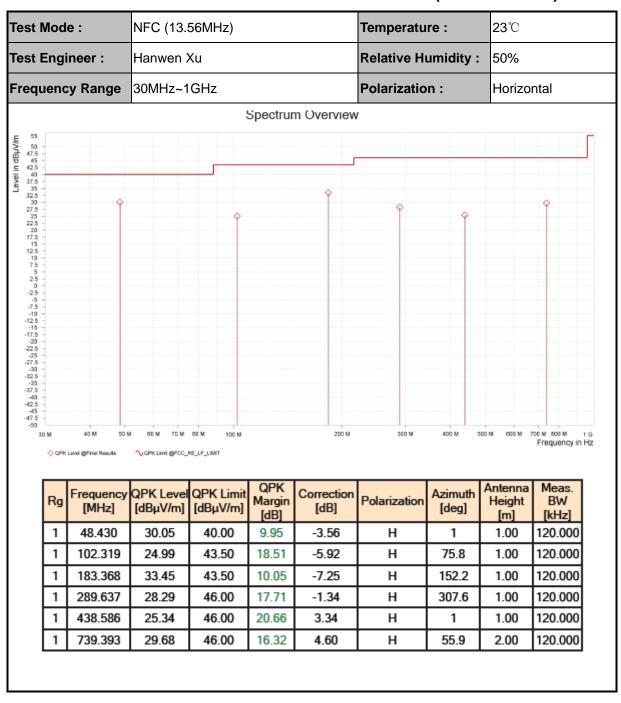




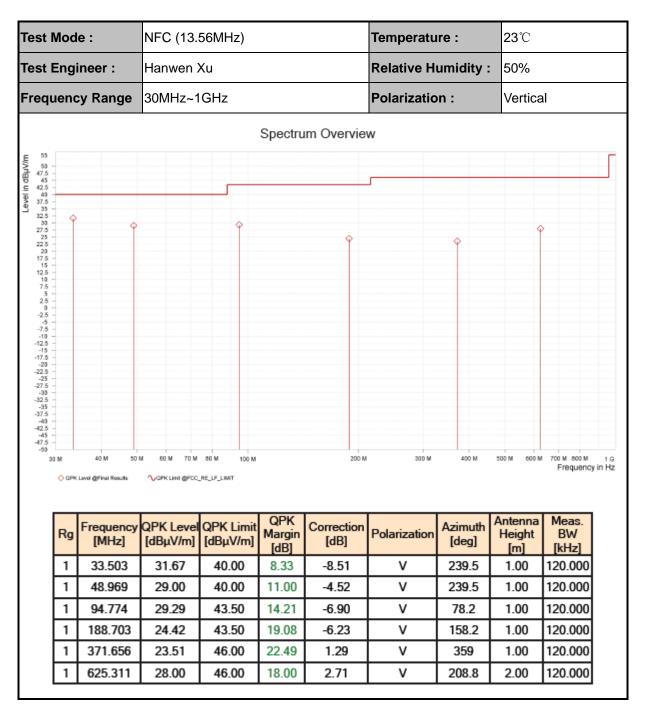




3.11.5 TEST RESULT OF RADIATED SPURIOUS EMISSION (30MHZ ~ 1GHZ)









3.12 AC CONDUCTED EMISSION MEASUREMENT

3.12.1 LIMIT OF AC CONDUCTED EMISSION

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission	Conducted	Limit (dΒμV)
(MHz)	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

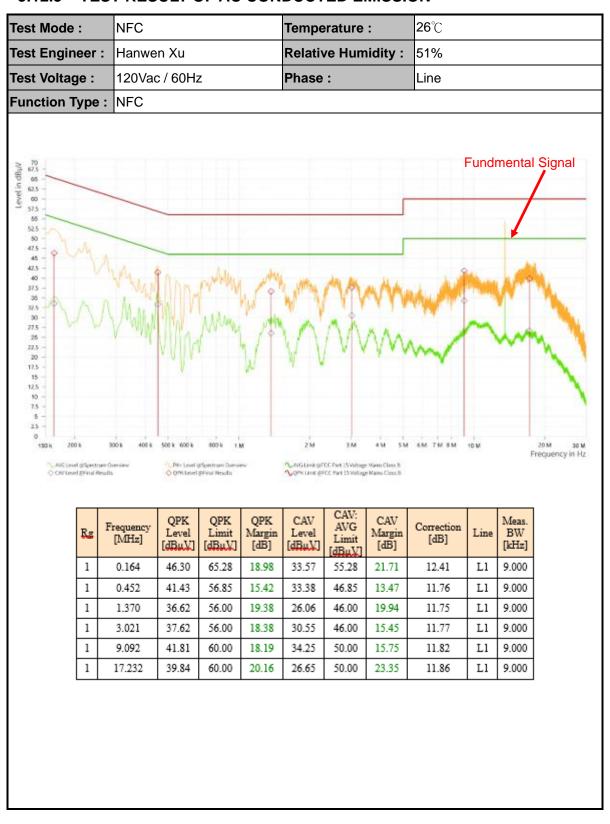
^{*}Decreases with the logarithm of the frequency.

3.12.2 TEST PROCEDURES

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



3.12.3 TEST RESULT OF AC CONDUCTED EMISSION





		NFC				rempe	erature	:	26 ℃			
Test Engine	r:	Hanwe	n Xu			Relativ	ve Hum	idity:	51%			
Test Voltage	:	AC 120	V/60H	Z		Phase :		Neutral				
Function Typ	e:	NFC										
Align 175 - 1725 - 675 - 68 - 625 - 60 - 575 - 55 - 525 - 45 - 425 - 40 - 375 - 575 - 675		you M	10	r.M.V.WV	Marke	Marin about	المناسل	interior .		undn	nental	Signal
35 - 30 - 27.5 - 27.5 - 22.5 - 20 - 17.5 - 10 - 7.5 - 5 - 25.5 - 20 - 150 k 200 k	Spectrum 0	300 k 400 k		800 k	Market Market	2 M	3 M BRCC Part 15 Volt BRCC Part 15 Volt	age Mains Class B	м 6м 7м 9м	10 M	***	20 M 3 Frequency in
32.5 30 - 27.5 - 26 - 20 - 17.5 - 10 - 7.5 - 5 - 20 - 17.5 - 10 - 7.5 - 5 - 20 - 17.5 - 10 -	Spectrum 0 final Result	Overview:	PR+ Level	@Spectrum Over		NOLINE	CAV: AVG Limit	age Mains Class B	M 6M 7M 9M Correction [dB]	10 M	Meas. BW [kHz]	
32.5 30 - 22.5 25 - 22.5 20 - 17.5 10 - 7.5 - 5 - 25 - 25 - 26 - 27.5 10 - 27.5 - 28 - 29 - 20 -	Spectrum 0 final Result	requency	QPK Level	QPK Limit	QPK Margin	CAV Level	BFCC Part 15 Volt. BFCC Part 15 Volt. CAV: AVG	nge Mains Class B nge Mains Class B CAV Margin	Correction		BW	
22.5 - 27.5 - 25 - 22.5 - 20 - 17.5 - 10 - 7.5 - 5 - 2.5 - 2	Spectrum 0 Front Result	requency	QPK Level [dBµV]	QPK Limit [dBμV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line	BW [kHz]	
32.5 30 - 27.5 26 - 22.5 20 - 17.5 10 - 7.5 - 5 - 2.5 5 - 2.5 - 0 - 7.5 - 0 - 7.5 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	Spectrum 0 Final Result	equency [MHz] 0.506 0.717 1.320	QPK Level [dBμV] 44.58 44.29	QPK Limit [dBµV] 56.00 56.00	QPK Margin [dB] 11.42 11.71 13.57	CAV Level [dBμV] 32.91 30.84	CAV: AVG Limit [dBµV] 46.00	CAV Margin [dB] 13.09 15.16	Correction [dB] 12.78 12.74 12.73	Line N	9.000 9.000 9.000	
32.5 30 27.5 25 20 17.5 10 12.5 10 150 k 200 k ANG Level & CAV Level	Fr	equency [MHz] 0.506 0.717 1.320 2.958	QPK Level [dBμV] 44.58 44.29 42.43 40.46	QPK Limit [dBµV] 56.00 56.00 56.00	QPK Margin [dB] 11.42 11.71 13.57	CAV Level [dBμV] 32.91 30.84 30.12 29.04	CAV: AVG Limit [dBµV] 46.00 46.00	CAV Margin [dB] 13.09 15.16 15.88 16.96	Correction [dB] 12.78 12.74 12.73 12.75	Line N N N	9.000 9.000 9.000 9.000	
22.5 - 22.5 - 22.5 - 20 - 17.5 - 12.5 - 20 - 17.5 - 5 - 2.5 - 20 - 150 k 200 k	Fr	equency [MHz] 0.506 0.717 1.320	QPK Level [dBμV] 44.58 44.29	QPK Limit [dBµV] 56.00 56.00	QPK Margin [dB] 11.42 11.71 13.57	CAV Level [dBμV] 32.91 30.84	CAV: AVG Limit [dBµV] 46.00	CAV Margin [dB] 13.09 15.16	Correction [dB] 12.78 12.74 12.73	Line N N	9.000 9.000 9.000	



3.13ANTENNA REQUIREMENTS

3.13.1 STANDARD APPLICABLE

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

3.13.2 ANTENNA CONNECTED CONSTRUCTION

A LOOP Antenna design is used.

3.13.3 ANTENNA GAIN

The antenna peak gain of EUT is less than 6 dBi.



4 LIST OF MEASURING EQUIPMENT

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
WIDEBANDRADIO					
COMMUNICATION	Rohde&Schwarz	CMW500	169399	Jun.27,22	Jun.26,24
TESTER					
3m Semi-anechoic	TDK	9m*6m*6m	HRSW-SZ-EMC-	Nov.24,22	Nov.23,25
Chamber	IDK	on on on	02Chamber	1407.24,22	1404.23,23
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.28,22	Feb.27,24
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.27,24	Feb.26,26
Loop Antenna	R&S	HFH2-Z2/Z2 E	100976	Feb.23,22	Feb.22,24
Loop Antenna	R&S	HFH2-Z2/Z2 E	100976	Feb.24,24	Feb.23,26
Antenna Power Supply	RS	N/A	N/A	N/A	N/A
EMI Test Receiver	R&S	ESW44	101973	Feb.25,22	Feb.24,24
EMI Test Receiver	R&S	ESW44	101973	Feb.24,24	Feb.23,26
Measurement Software	R&S	ELEKTRA	N/A	N/A	N/A
Pre-Amplifier	R&S	SCU08F1	101028	Sep.16,22	Sep.15,24
CABLE	R&S	W13.01	N/A	Apr.28,23	Apr.27,24
CABLE	R&S	W13.01	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	W13.02	N/A	Apr.28,23	Apr.27,24
CABLE	R&S	W13.02	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	W12.14	N/A	Apr.28,23	Apr.27,24
CABLE	R&S	W12.14	N/A	Apr.27,24	Apr.26,25

NOTE: 1. The calibration interval of the above test instruments is 12/24/36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

- 2. The test was performed in 3m Chamber.
- 3. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

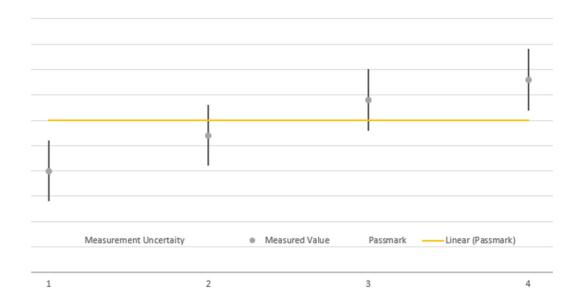


5 UNCERTAINTY OF EVALUATION

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
AC Power Conducted emissions	±2.70dB
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Occupied Channel Bandwidth	±43.58KHz
Frequency Stability	±76.97Hz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

-----End of the report-----

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